Information Technology Council (ITC) Update

Brian Fujikawa
NSD Monday Morning Meeting
December 14, 2009

ITC - Information Technology Council
(was ITAC - Information Technology Advisory Committee)

Charter

The IT Council (ITC) provides critical user input to the IT Division regarding IT services, technology, best practices, and policy. The members of the ITC are charged with the following:

- Provide input and feedback (issues, user satisfaction, usage scenarios) on existing or planned services and policy.
- Represent division requirements for future IT services and policy.
- Evaluate and suggest opportunities afforded by new technologies.
- Share information regarding new, unique, innovative IT services, technology, best practices, and policy provided by other organizations of the laboratory.
- Serve as liaison between IT Division and the key users of information technology in their divisions.

ITC membership will include one representative designated by each Division Director (or in organizations where there is no Division Director, Department Head). Council representatives will serve two-year staggered terms with option to renew. The Council will meet each quarter (4 times per year). IT chairs the meeting. Agenda items should be submitted to Tammy Welcome (tswelcome@lbl.gov) at least one week in advance of meetings.

https://commons.lbl.gov/display/itc/Information+Technology+Council+(ITC)

- Quarterly ITC Meetings
- One or two updates at NSD M^3 per year

ITC Update

- Lawrencium Cluster

- Google @LBNL

- Gmail Pilot

- Calendar

Lawrencium Cluster

http://lrc.lbl.gov/

The Lawrencium Cluster

Lawrencium is a 198-node (1584 processor cores) Linux cluster, equipped with a high performance, low latency Infiniband interconnect, that will be available to Berkeley Lab researchers needing access to scientific computational resources. The system has a theoretical peak performance rating of 16.8 teraflops and is anticipated to deliver over 10M processors hours to researchers in the coming year.

Berkeley Lab PIs interested in getting acccess to Lawrencium should complete the Requirements Survey and return it, along with a list of anticipated users to LRC@lbl.gov.

Wrap-up

Getting an Account

- Complete the short survey at http://LRC.lbl.gov/
- LBNL PIs should contact scs@lbl.gov to get their project setup for new account requests.
    - Send name and description of project along with survey
    - Usage (and possible future allocations) will be based by project
    - List of authorized users
- Access will be exclusively via Cryptocard One-Time Password Tokens
- A nominal $25/mo. per user recharge will cover disk storage and backups of home directories
- Lawrencium survey will be coming out later this year

INFORMATION TECHNOLOGY
DIVISION

19

April 10, 2009

Google@LBNL

- 4 year (~3 years remaining) contract for Education Edition of Google Apps through UC at no cost

- LBNL LDAP login credentials

- http://gstart.lbl.gov/

What is available?

- Customizable Start Page

- Documents (Word Processor)

- Spreadsheets

- Presentations

- Sites

- Video

- Calendar (no synchronization with LBNL Oracle)

What is it good for?

- "Cloud Computing"

- Work collaboratively on shared documents (like eRoom)

- Share with non-LBNL collaborators

Gmail Pilot

- ~500 LBNL employees are now using "personal" Gmail accounts

- Pilot program at ANL

- <u>Phase 0</u>: 15 users for past one year

- <u>Phase 1</u>: 200 users starting soon

Gmail vs. LBNL Feature Comparison

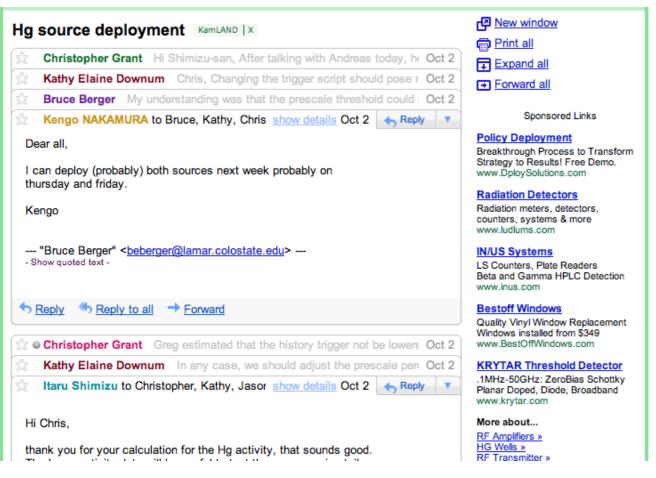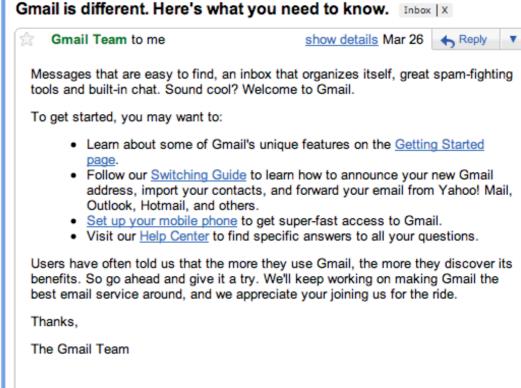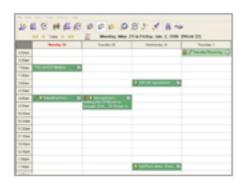| Feature	Gmail	Current LBNL Email System
Fast searching	Yes	No
Free storage	7GB+	3GB
Web access	Advanced	Basic
User configurable server-side email filtering	Yes	No
Supports IMAP and POP	Yes	Yes
Integrated LBNL address book	Yes	Yes
Integrated server-side personal address book	Yes	No
User-selectable & customizable advanced features	Yes (Labs)	No
View attachments in web browser	Yes	No
Max attachment size	25MB	35MB
LBNL staff can impact email some service outages	No	Yes
Email stored at LBNL	No	Yes
Backup/restore of individual accounts, folders	No	Yes

Home vs LBNL Gmail

Gmail@Home

Gmail@LBNL

Calendar

December 7, 2009 TABL

IT: **Staff Asked to Weigh In on Calendar Improvements**

The Oracle Calendar tool that the Lab has used for the past 10 years will be replaced next year. A survey of capabilities was constructed, through which calendar "power users" indicated desirable features. While trade-offs will be necessary, it is important to understand which of these criteria are the most important. Those who use the Lab's calendar system are invited to participate in a survey where they can identify the features most important to them. More>

https://sites.google.com/a/lbl.gov/calendar-evaluation/

Any IT related issues?

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